

Our knowledge of customer requirements, combined with unparalleled expertise in compact door systems for rail vehicles from the world's leading manufacturers, places us in the best possible position to provide our customers with first rate service.

Polarteknik has a great deal of experience in producing fire barrier doors in compliance with European, international and prevailing national norms in world wide.

Our service portfolio includes design, installation and commissioning support, maintenance, modernization, spare parts and technical support during the life-time of the fleet. Safety, reliability, sustainability and optimizing life cycle costs are the core drivers of our engineering and development.

Solutions for rolling stock

Door systems, modules and components



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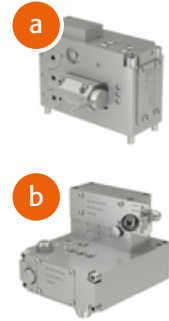


Door systems and Control modules

Polarteknik Door Systems is a leading European supplier of interior door systems for rail vehicles. Our product range also includes complete fire barrier walls, automatic single, double leaf sliding doors, telescopic and curved doors. The products can be used in new built as well as refurbished passenger coaches to increase the passenger comfort.

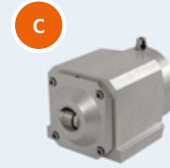
Control Blocks for Couplers & Hatches

- Designed for minimal maintenance and extreme climate conditions
- Pressure control and watch for safety critical functions
- Easy and fast installation



Locking cylinders for train carriage couplers

- Small durable and easy to install locking cylinder
- Designed for minimal maintenance and extreme climate conditions



Hinged doors

- E30 /115 fire tested, also E130 available
- 50 mm door leaf thickness
- Fire frames available also on request
- Automatic closing on fire event (from open holding)



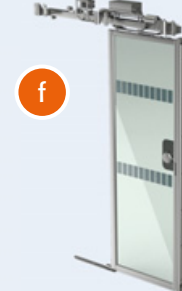
Partition walls

- All components and materials are of high quality and thoroughly tested
- Extremely light weight solutions
- Minimum amount of delivery items
- Quick assembly



1st class / vestibule door

- 70 mm of total system thickness with pocket wall structure
- Fulfills EN45545-2 fire protection norm for non metallic materials
- TSI PRM compliant



Curved door system for UWC toilette modules

- Non-metallic materials according to several standards (EN45545-2, BS6853 and DIN5510)
- Implemented with DSYS5 mechanism
- Push buttons, locking devices and other accessories available



E15 fire gangway door

- 35 mm total door leaf thickness
- Materials according to EN45545-2
- Fireframe also available



E15 Gangway partition module

- Fulfills EN45545-2 fire protection norm for non metallic materials
- Automatic closing in case of fire



2nd class partition

- 70 mm of total system thickness with pocket
- Fulfills EN45545-2 fire protection norm for non metallic materials
- Air grills and other accessories available



E130 fire gangway door

- 40 mm total door leaf thickness
- Materials according to EN45545-2
- Manual and automatic version available

